

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201077

Species: Human Mouse Rat Monkey (Rh) Guinea Pig Porcine
 Bovine Hamster Dog Monkey (Cy) Rabbit Plant

Tissue Type: Normal Adult Fetal Tumor Disease Cell line

Tissue Name: Lung

Donor Information:

Male: _____ year(s) old
Female: 50 year(s) old

Pathological Diagnosis: Adenocarcinoma, Peripheral, invasive to pleura

Tumor Size: N/A

Location: right upper lobe

Components:

1. 5 curls per package
2. Certificate of Analysis

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____



35 Genes Targeted

AKT1	FGFR2	MAP2K1
ALK	FGFR3	MAP2K2
AR	GNA11	MET
BRAF	GNAQ	MTOR
CDK4	HRAS	NRAS
CTNNB1	IDH1	PDGFRA
DDR2	IDH2	PIK3CA
EGFR	JAK1	RAF1
ERBB2	JAK2	RET
ERBB3	JAK3	ROS1
ERBB4	KIT	SMO
ESR1	KRAS	

Details of Variants

Column Header	Definition
Gene ID	The Gene symbol for the gene located at this position
Chrom	The chromosome where the target region is located
Position	The genomic position of the variant in the build of the genome database
Ref	The reference allele of the variation
Variant	The alternate allele of the variation
Allele Call	The type of variation, either heterozygous or homozygous
Frequency	The percentage of reads for the sample that includes the variant
Quality	The quality score of the variant
Type	The variant type, which can be SNP, MNP, Ins, Del, and Complex
Allele Source	Listed as Hotspot for alleles found within the hotspots sequencing file and Novel for all other alleles
Coverage	The number of reads that cover the region
Allele Name	The allele name that is defined within the hotspots sequencing file (if Novel allele, then there is no name)

C201077

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
JAK1	chr1	65310489	T	C	Heterozygous	23.1	35	SNP	Novel	26	---
ALK	chr2	29445458	G	T	Heterozygous	15	15	SNP	Novel	20	---
RAF1	chr3	12645692	G	A	Heterozygous	21.7	93	SNP	Novel	69	---
PIK3CA	chr3	178947859	G	A	Heterozygous	10.3	73	SNP	Novel	195	---
FGFR3	chr4	1797690	C	T	Heterozygous	24.4	78	SNP	Novel	41	---
FGFR3	chr4	1807894	G	A	Homozygous	100	306	SNP	Novel	23	---
FGFR3	chr4	1807909	G	A	Heterozygous	12.5	15	SNP	Novel	24	---
FGFR3	chr4	1807922	G	A	Heterozygous	13.6	16	SNP	Novel	22	---
FGFR3	chr4	1808318	C	T	Heterozygous	12.7	44	SNP	Novel	71	---
FGFR3	chr4	1808330	C	T	Heterozygous	12.5	43	SNP	Novel	72	---
EGFR	chr7	55233050	G	A	Heterozygous	9.2	32	SNP	Novel	87	---
EGFR	chr7	55241641	G	A	Heterozygous	9.4	14	SNP	Novel	32	---
MET	chr7	116423457	G	A	Heterozygous	11.5	35	SNP	Novel	61	---
MET	chr7	116423458	C	T	Heterozygous	16.4	57	SNP	Novel	61	---
SMO	chr7	128850308	C	T	Heterozygous	17.2	27	SNP	Novel	29	---
BRAF	chr7	140481410	T	A	Heterozygous	17.5	42	SNP	Novel	40	---
BRAF	chr7	140481445	C	T	Heterozygous	17.1	34	SNP	Novel	35	---
GNAQ	chr9	80412496	A	G	Heterozygous	14.3	20	SNP	Novel	28	---
RET	chr10	43613813	C	T	Heterozygous	5.8	13	SNP	Novel	52	---
RET	chr10	43613843	G	T	Heterozygous	40.4	192	SNP	Novel	57	---
HRAS	chr11	534279	C	T	Heterozygous	21.6	51	SNP	Novel	37	---
KRAS	chr12	25380304	G	A	Heterozygous	17.4	21	SNP	Novel	23	---
KRAS	chr12	25380337	T	G	Heterozygous	18.2	21	SNP	Novel	22	---
ERBB3	chr12	56478867	C	T	Heterozygous	10.3	19	SNP	Novel	39	---
ERBB3	chr12	56482336	T	C	Heterozygous	7.9	23	SNP	Novel	76	---
ERBB3	chr12	56482347	A	G	Heterozygous	10.5	35	SNP	Novel	76	---
CDK4	chr12	58142926	C	T	Heterozygous	14.3	33	SNP	Novel	42	---
CDK4	chr12	58145963	G	A	Heterozygous	7.9	14	SNP	Novel	38	---
CDK4	chr12	58146012	G	A	Heterozygous	7.9	14	SNP	Novel	38	---
MAP2K1	chr15	66727450	C	A	Heterozygous	27.3	35	SNP	Novel	22	---
MAP2K1	chr15	66729193	A	T	Heterozygous	10	14	SNP	Novel	30	---
ERBB2	chr17	37879650	C	T	Heterozygous	5.8	27	SNP	Novel	225	---
ERBB2	chr17	37879684	A	G	Heterozygous	4	12	SNP	Novel	226	---
ERBB2	chr17	37879686	G	A	Heterozygous	7.1	41	SNP	Novel	225	---
ERBB2	chr17	37879899	G	A	Heterozygous	23.1	61	SNP	Novel	39	---

ERBB2	chr17	37880979	G	A	Heterozygous	10.3	19	SNP	Novel	39	---
JAK3	chr19	17949119	G	A	Heterozygous	12	65	SNP	Novel	125	---
JAK3	chr19	17949136	G	A	Heterozygous	12.1	73	SNP	Novel	140	---
JAK3	chr19	17949167	G	A	Heterozygous	11.2	73	SNP	Novel	160	---
AR	chrX	66943560	C	T	Heterozygous	20	45	SNP	Novel	40	---